

BYSTRITSKAYA, T.L.; VASIL'YEVSKAYA, V.D.

Content of some microelements in compact Chernozem soils of
the Kuban Valley. Nauch. dokl. vys. shkoly; biol. nauki
no.4:182-184 '63. (MIRA 16:11)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo universiteta im. Lomonosova.

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BYSTRITSKAYA, T.L.

Iodine distribution in the soils of the Ural Valley. Nauch. dokl.
vys. shkoly; biol. nauki no.4:193-196 '64. (MIRA 17:12)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo
universiteta im. M.V. Lomonosova.

BYSTRITSKAYA, V.G.

Clinical aspects of tabes infantum. Vop.diag.i patomorf.nerv.zab.
no.2:208-210 '59. (MIRA 15:8)
(NERVOUS SYSTEM--SYPHILIS)

CHIRKIN, Viktor Sergeyevich; SILETSKIY, V.S., kand. tekhn. nauk,
retsenzent; BYSTRITSKAYA, V.V., inzh., red.; GORDEYEVA, L.P.,
tekhn. red.

[Heat conductivity of engineering materials]Teploprovodnost'
promyshlennykh materialov. Izd.2., perer. i dop. Moskva,
Mashgiz, 1962. 245 p. (MIRA 16:2)
(Materials---Thermal properties)

MAZYRIN, I.V. [deceased]; MAZYRIN, A.I., kand. tekhn. nauk; PIRIN, I.V.,
kand. tekhn. nauk, retsenzent; BYSTRITSKAYA, V.V., inzh.,
red.; SMIRNOVA, G.V., tekhn. red.

[Lubrication devices for machinery] Smazochnye ustroistva
mashin. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 246 p.
(MIRA 16:6)

(Machinery--Lubrication)

KUZNETSOV, A.I.; BELYAYEV, F.V.; BYSTRITSKAYA, V.V., inzh., red.;
SMIRNOVA, G.V., ~~tekhn. red.~~

[Problems in descriptive geometry] Sbornik zadach po na-
chertatel'noi geometrii. 2. izd., dop. Moskva, Mashgis,
1963. 105 p. (MIRA 16:9)
(Geometry--Problems, exercises, etc.)

BYSTRICKY, V.

"The Synthesis of Polypeptides Under High Pressure by the Use of Enzymes." p. 118
(CHEMICKE ZVESTI, Vol. 5, No. 1/2, Jan./Feb. 1951) Bratislava, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4,
April 1954. Unclassified.

~~BYSTRICKY, V.~~

Electron microscopy of certain purified viruses. Chekh. biol. 3
no.5:318-321 Nov 54.

1. Virusologicheskiy institut ChSAN, Bratislava.
(VIRUSES,
microscopy, electron, after purification)
(MICROSCOPY, ELECTRON,
of viruses after purification)

BYSTRICKY, Vojtech

Caulobacter as an unusual contamination of preparations for electron microscopy. Biologia, Bratisl. 9 no.5:566-569 1954.

1. Virologický ústav CSAV, Bratislava.

(CAULOBACTER,

contaminating prep. for electron microscopy)

(MICROSCOPY, ELECTRON,

contamination of prep. for microscopy with Caulobacter)

BYSTRICKY, Vojtech; STYK, Bohumil

~~Experience with electron-optic observation on influenza virus~~
C. Cesk. biol. 4 no.1:41-44 Jan 55.

1. Virologický ústav CSAV, Bratislava.
(INFLUENZA VIRUSES,
C, electron microscopy)
(MICROSCOPY, ELECTRON,
of influenza virus C)

BLASKOVIC, Dionyz; ~~BYSTRICKY, Vojtech~~

Biological significance of filtrable forms of bacteria.
Cesk. biol. 4 no.8:496-505 Aug 55.

1. Virologický ústav CSAV, Bratislava.
(BACTERIA,
filtrable)

BLASKIVOC, Dionyz; BYSTRICKY, Vojtech

Electron microscopic structure of Hemophilus influenzae
Pfeiffer. Cesk. biol. 4 no.9:525-528 Oct 55.

1. Virologický ústav CSAV, Bratislava. Ciastocne prednesene
na konferencii CSAV a SAV o elektronovej mikroskopii v
Smoleniciach.

(HEMOPHILUS INFLUENZAE,
microscopy, electron)
(MICROSCOPY, ELECTRON,
of hemophilus influenzae)

BYSTRICKY, Vojtech; BLASKOVIC, Dionyz; Technicka spolupraca : RAUS, Jan;
HLAVACOVA, Irena

Problem of filtrable bacteria. III. Electron microscopy of L-cycle
of Hemophilus influenza Pfeiffer. Cesk. biol. 4 no.10:597-599
Nov 55.

1. Virologicky ustav CSAV Bratislava.
(MICROSCOPY, ELECTRON,
of hemophilus influenzae L-cycle.)
(HEMOPHILUS INFLUENZAE,
microscopy, electron, of L-cycle.)

BYSTRICKY, V.

Electron microscopy of some purified viruses. P. 300
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 5, Oct. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Unal.

BYSTRICKY, V.; STYK, B.

Experiment of the electrooptic demonstration of influenza virus c. p. 41.
CESKOSLOVENSKA BIOLOGIE, Vol. 4, No. 1, Jan. 1955

SO: Monthly List of East European Accessions, (EEAL), LC, Vol, 4, No. 9, Sept. 1955
Uncl.

BYSTRICKY, V. and others.

Filterable forms of bacteria. **III.** L-phase of Hemophilus influenzae Pfeiffer
observed through an electron microscope. p. 597

Vol. 4, no. 10, Nov. 1955
CESKOSLOVENSKA BIOLOGIE
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, 1956

BYSTRICKY, V.

"Structure of the tobacco mosaic virus. In Russian."

p. 59 (Folia Biologica, Vol. 3, no. 1, 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EMAI) LC, Vol. 7, No.6 June 1958.

CZECHOSLOVAKIA/Microbiology - Microorganisms Pathogenic to
Humans and Animals.

F-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43314

Author : Bystricky, V., Stricker, F.

Inst : -

Title : Vibrio Coli. I. Morphology and Granule-Formation.

Orig Pub : Veterin. casop., 1957, 6, No 1, 29-34.

Abstract : Vibrio coli (V. suis) in electron microscopy shows amphi-
trichously arranged, S-form curved (1-3 curves) flagella,
which brings it closer to spirilla, as well as a granule
formation distinguished by exceptional viability. These
granules resemble cysts; their diameter is 1.3μ . In
developing, the granules produce vegetative forms. The
presence of some small granules with a diameter of 0.4μ
explains, in the authors' opinion, the occasionally ob-
served passage of V. coli through bacterial filters.

Card 1/1

BYSTRICKY, V.

The structure of the tobacco mosaic virus.

P. 49, (Ceskoslovenska Mikrobiologie) Vol.6, no.2, Mar. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

CZECHOSLOVAKIA/Virology - Plant Viruses.

E-2

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52587

Author : Bystricky, V.

Inst : -

Title : Notes on Determination of the Size of Small Particles
(Viruses, Polystyrene Latex) by Electron Microscopy.

Orig Pub : Biologia, 1957, 12, No 8, 622-626

Abstract : It is demonstrated on tobacco mosaic viruses, tobacco necrosis, and particles of polystyrene latex, that an application of a layer of contrasting metal (dusting) causes a seeming enlargement of particles, especially ones whose dimensions are commensurate with the thickness of the dusted layer. There are 5 electronphotomicrographs. --
S.B. Stefanov

Card 1/1

CZECHOSLOVAKIA / Virology. Plant Viruses.

E-1

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No. 99071

Author : Bystricky, V.; Valenta, V.; Zavada, J.

Inst : Not given

Title : Electronoscopy of the Virus of Tobacco Necrosis,
Isolated in Czechoslovakia

Orig Pub : Biologia, 1957, 12, No 11, 816-820

Abstract : The size of the virus particles equals ~265A for
coarse and 160 - 180A for small particles. The latter
constitute 20% of the general quantity of particles.

Card 1/1

E

COUNTRY : CZECHOSLOVAKIA
CATEGORY :
AES. JOUR. : BZhBiol., No. 1959, No. 9973
AUTHOR : Bystricky, V., Zuffa, A., Skoda, R.
INST. : --
TITLE : Electron Microscopy of Chickenpox and Pigeonpox
Viruses
ORIG. PUB. : Veterin. casor., 1958, 7, No 2, 136-143
ABSTRACT : Preparations were made from chorioallantoic membranes
of chick embryos infected with viruses. The viruses
proved to be similar in size and shape (about 420 x 480
millima). 3 electron microscopic films.

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EXCERPTA MEDICA Sec 4 Vol 12/2 Med. Micro. Feb 59

577. SOME MORPHOLOGICAL AND BIOLOGICAL CHARACTERISTICS OF A ROD-SHAPED COLI-BACTERIOPHAGE - Morphologische und einige biologische Eigenschaften eines stäbchenförmigen Coli-Bakteriophagen - Bys-trický V. and Sevcovicová L. Virol. Inst., Tschechoslov. Akad. der Wissensch., Bratislava - ZBL. BAKT., I. ABT. ORIG. 1958, 171/1-2 (25-43) Illus. 9

Electron micrographs and descriptions are given of rod-shaped bacteriophages isolated from faecal material. These phages are rod-shaped, about 182 mμ. long and 72 mμ. wide, with a short tail about 20 x 20 mμ. by which they adsorb to their host. 89% of 252 Esch. coli strains tested were lysed by these phages, which form clear round plaques on lawns of sensitive bacteria. Lieb - Waltham, Mass.

Eystricky, Vojtech

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: Engr

Affiliation: /not given/

Source: Bratislava, Nasa Veda, Vol VIII, No 9, 1961, pp 571.

Data: "Electron Microscope for Studying the Living Matter."

BYSTRICKY, Vojtech

The electron microscope. Arch. immun. ther. ex. 10 no.1:187-341 '62.

1. Chair of Technical Microbiology and Biochemistry, Laboratory of
Electron Microscopy, Chemical Faculty of the Slovak Polytechnical
University in Bratislava.

(MICROSCOPY ELECTRON)

BYSTRICKY, Vojtech, inz.; OLAKOWSKI, Elzbieta [translator]; OLAKOWSKI,
Tadeusz [translator]

"Beach", "Kahn", "Stockpile" and ... pleasant prospects. Problemy
19 no.2:129-130 '63.

1. Kierownik Laboratorium Mikroskopii i Biochemii Technicznej,
Wydział Chemiczny, Politechnika Słowacka, Bratislava (for Bystricky).

HALASA, M.; BYSTRICKY, V.; LADZIANSKA, K.; KRCMERY, V.; NERMUT, M.

Electron microscope determination of the effect of polymyxin on
Leptospira in vitro. Cesk. epidem. 11 no.5:305-307 S '62.

1. Statny veterinarny ustav, pobočka v Bratislave. — Laboratorium
elektronovej mikroskopie Katedry techn. mikrobiologie a biochemie SVST
v Bratislave. — Katedra obecnej biologie Lekarskej fakulty Univerzity
J.Ev. Purkyne v Brne.

(LEPTOSPIRA)

(POLYMYXIN)

BYSTRICKY, V.; DRAHOS, Vl.; MULCZYK, M.; PRZONDO-HESSEK, A.; SLOPEK, St.

On the structure of some bacteriophages. Acta virol. (Praha)
[Eng.] 8 no.4:369-372 Ji '64.

1. Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław, Poland. 2. Laboratory of Electron Microscopy, Chair of Technical Microbiology and Biochemistry, Slovak Polytechnical University, Bratislava, Czechoslovakia (for Bystricky). 3. Laboratory of Electron Optics, Institute of Instrument Technology, Czechoslovak Academy of Sciences, Brno, Czechoslovakia (for Drahos).

SPANIK, Viliam, inz.; VALENTA, Vlk, dr.; BYSTRICKY, Vojtech, inz.

An experiment with the control and electron microscopy of the onion yellow dwarf virus. Biologia 16 no.8:615-618 '61.

1. Virologický ústav Československé akademie věd, Bratislava 9, Mlynská dolina (for Spanik and Valenta); 2. Katedra technické mikrobiologie a biochemie chemické fakulty Slovenské vysoké školy technické, Bratislava, Kollárovo nám (for Bystrický)
(Onions)

LACHOWICZ, Tadeusz M.; BYSTRICKY, Vojtech

Electron microscope examination of *Shigella flexneri* subjected to antagonistic action of its antigenic mutant. Acta microbiol. Pol. 14 no.1:19-25 '65.

1. From the Department of Genetics of Micro-organisms of the Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences, Wrocław, and the Laboratory of Electronic Microscopy of the Department of Technical Microbiology and Biochemistry of the Higher Technical School, Bratislava.

ACC NR: AR7001772

SOURCE CODE: UR/0169/66/000/010/D018/D018

AUTHOR: Pakhomov, I. B. ; Ryabchenko, F. M. ; Bystritskaya, P. M. ;
Shestyuk, V. A. ; Filatov, K. Ye.

TITLE: Regional works of correlation method of wave refraction (CMWR) in the
trans-Volga region of Saratov

SOURCE: Ref. zh. Geofizika, Abs. 10D111

REF SOURCE: Tr. Nizhne-Volzhsk. n. -i. in-t geol. i geofiz. vyp. 3, 1965,
156-165

TOPIC TAGS: seismic prospecting, seismograph, seismology, hodograph, wave
refraction data correlation, seismic station/SPEN-1 seismograph, PSL-1 CMWR
seismic station, Ural-2 electric power machine

ABSTRACT: A description is given of the method of field observations and inter-
pretations and results of surveys made since 1958 in the border area of the Caspian
depression. A study was made of the topography of the basement in order to find
large out croppings and structures of the subsalt stratum and upheavals of the
platform type. The seismological characteristics of the region are presented. The

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UDC: 550.834.3

ACC NR: AR7001772

methodology of refraction correlation observations consisted in a continuous longitudinal profiling with a system of counter and overtaking hodographs, which ensured a complete correlation of reference waves, and also in a nonlongitudinal profiling, used only for mapping of the basement relief. In longitudinal profiling, each 5.7 and 11.4 km long station was surveyed from 13—15—21 explosion points. The hodographs were 30 km long and in the area of tracking of the refracted wave, they were 70 km long. On nonlongitudinal profiles, the station was 11.4 km long, and the distance from the explosion point to the profile (on the perpendicular) was 50—60 km. Waves were recorded by SPEN-1 seismographs (100 m from each other) and a 60 channel PSL-1 refraction correlation station with a filtration opening toward Hr, and with a steep right cut of the 27-cps frequency curve. On the territory of the trans-Volga area of Saratov, four main waves were found:— T_1 from the surface of the salt; T_2 from the subsalt bed to the depression; T_3 from the surface of the basement (?); T_4 from the interface in the thickness of the basement (?) [SIC]. Structural diagrams over two horizons were composed: The surface of the carbonaceous sediments of Lower Permian age, which has a monoclynal dip to the South and the South East toward the Caspian depression; the surface of the basement, characterized by a rather sharp dislocation with a general dip to the

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ACC NR: AR7001772

South. On the whole, the outer part of the border zone shows an irregular dip of the basement toward the Caspian depression, while the inner part is a salt dome tectonic formation. T. Polyakova. [Translation of abstract] [GC]

SUB CODE: 08/

Card 3/3

BYSTRITSKAYA-AVERBUKH, S.Ya.

Soldering with the flux of the Leningrad Technological Institute.
Avtom., telem. i svias' 2 no.6:29-30 Je '58. (MIRA 11:6)

1. Nachal'nik khimicheskoy laboratorii Leningradskogo elektrotekhnicheskogo zavoda Ministerstva putey soobshcheniya.
(Solder and soldering)

S/196/61/000/010/036/037

E194/E155

AUTHOR: Bystritskaya-Averbukh, S.Ya.

TITLE: New methods of applying electroplated and painted coats

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.10, 1961, 43, abstract 10K 247. (Avtomatika, telemekhanika i svyaz' no.1, 1961, 32-34)

TEXT: A review is given of reports read at a conference on improving the quality of electroplated and painted coats, held in Leningrad on February 1 - 12, 1960. Reports dealt with improvements to the process of electroplating of metals and alloys by the use of current reversal, new compositions of electrolyte, intense anodising of aluminium, infrared paint drying, etc.

[Abstractor's note: Complete translation.]

Card 1/1

BYSTRITSKAYA-AVERBUKH, S. Ya.

Practical advice on the repair of relays. Avtom., telem. i svyaz' 5
no.5:25-26 My '61. (MIRA 14:6)

1. Nachal'nik khimicheskoy laboratorii Leningradskogo elektrotekhnicheskogo zavoda Ministerstva putey soobshcheniya.
(Railroads--Electric equipment)
(Electric relays--Repairing)

BYSTRITSKAYA-AVERBUKH, S.Ya.

Restoration of anticorrosive lacquer coatings on electrical relay components. Avtom., telem. i svyaz' 7 no.1:34-36 '63. (MIRA 16:2)

1. Nachal'nik khimicheskoy laboratorii Leningradskogo elektrotekhnicheskogo zavoda Ministerstva putey soobshcheniya.
(Protective coatings) (Electric relays)

BYSTRITSKIY, A.A.; KUKOVYAKIN, A.A.

Using geophysical methods in prospecting for limestone deposits.
Izv. vys. ucheb. zav.; geol. i razv. 1 no.7:112-117 J1 '58.
(MIRA 12:8)

1. Irkutskiy gornometallurgicheskiy institut.
(Londokovo region (Maritime Territory)--Limestone))
(Prospecting--Geophysical methods)

BYSTRITSKIY, A.A.

Nomogram for calculating the residual magnetism and magnetic susceptibility of rock and ore samples. Razved.i okh.nedr

26 no.5:34-36 My '60.

(MIRA 13:7)

(Ores--Magnetic properties)

(Rocks--Magnetic properties)

BYSTRITSKIY, A.A.

Checking cable insulation in signaling centralized control, and
block systems without disconnecting installations. Avtom., telem. i
svyaz' 2 no.9:23-26 S !58. (MIRA 11:10)

1. Nachal'nik laboratorii signalizatsii i svyazi Moskovskq-Kursko-
Dombasskoy dorogi.
(Electric cables---Testing) (Electric insulators and insulation--Testing)

BYSTRITSKIY, A.A.

Pulse and interval measuring instrument for KPT transmitters.
Avtom. telem. i svyaz' 2 no.12:16-17 D '58. (MIRA 11:12)

1. Nachal'nik laboratorii signalizatsii i svyazi Moskovsko-Kursko-
Donbasskey deregi.
(Railroads--Telegraph)

BYSTRITSKIY, A.A.

Dimensions of the working area of the field sheet in the mean
gradient method. Geofiz. issl. i probl. neftegaz. iuga Sib.
plat. no.2:250-255 '62. (MIRA 15:8)
(Electric prospecting)

BYSTRITSKIY, A.A.; MUSHKETOV, I.V.

Maintenance and adjustment of a pneumatic-membrane rail pedal.
Avtom., telem. i svyaz' 6 no.10:25-28 0 '62. (MIRA 16:5)

1. Nachal'nik laboratorii signalizatsii, tsentralizatsii i
blokirovki Moskovskoy dorogi (for Bystritskiy). 2. Starshiy
elektromekhanik laboratorii signalizatsii, tsentralizatsii i
blokirovki Moskovskoy dorogi (for Mushketov).
(Railroads--Signaling--Block systems)

BYSTRITSKIY, A.A.

Measurement of the insulation resistance of centralized traffic control cables with minimum equipment disconnection. Avtom., telem. i sviaz' 9 no.8:18-23 Ag '65. (MIRA 18:9)

1. Nachal'nik laboratorii avtomatiki i telemekhaniki Moskovskoy dorogi.

BYSTRITSKIY, A.L.; ALESKOVSKIY, V.B.; BARDIN, V.V.

New potentiometric method for determining the microgram quantities
of bromide ions in water. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6
no.1:31-34 '63. (MIRA 16:6)

1. Leningradskiy tekhnologicheskii institut imeni Lensoveta,
kafedra analiticheskoy khimii.
(Bromides) (Potentiometric analysis)

BYSTRITSKIY, A.L.; ALESKOVSKIY, V.B.

Manufacture of nonplatinum silver halide electrodes. Izv.vys.
ucheb.zav.;khim. i khim.tekh. 7 no. 1:168-169 '64. (MIRA 17:5)

1. Leningradskiy tekhnologicheskoy institut im. Lensoвета,
kafedra anliticheskoy khimii.

BYSTRITSKIY, A.I.; ALESKOVSKIY, V.B.; DEGTYARENKO, A.P.

Colorimetric determination of microamounts of chloride ions
in water. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 8 no. 4: 555-
558 '65. (MIRA 18:11)

1. Leningradskiy tekhnologicheskii institut imeni Lenooveta,
kafedra analiticheskoy khimii.

L 38115-66 EWT(m)/EWP(t)/ETI IJP(c) RDW/JD

ACC NR: AP6012215

SOURCE CODE: UR/0032/66/032/004/0414/0415

AUTHOR: Kokk, Kh. Yu.; Bystritskiy, A. L.; Aleskovskiy, V. B.

ORG: Leningrad Technological Institute im. Lensovet (Leningradskiy tekhnologicheskii institut)

TITLE: Determination of micro amounts of chlorine ions in a micro weighed portion of cadmium selenide

SOURCE: Zavodskaya laboratoriya, v. 32, no. 4, 1966, 414-415

TOPIC TAGS: quantitative analysis, chlorine, cadmium compound

ABSTRACT: The method for determination of the chlorine ions is based on the potentiometric determination of the chlorides driven off from cadmium selenide. A weak solution of hydrogen peroxide is used to prevent oxidation of the chlorides. The chlorides are driven off in a stream of nitrogen. The article gives a flow diagram of the potentiometric method of determination. Experimental results are listed in a table. The concentration of chlorine ions in the samples was calculated by the formula

$$C = \frac{\Delta EV}{29,2 \cdot a} \text{ micrograms/milligram}$$

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L 38115-66

ACC NR: AP6012215

where ΔE is the change in the electromotive force of the cell, millivolts; V is the volume of the flask used as a receiver, ml; a is the weighed portion, mg. The sensitivity of the determination is 5×10^{-5} Cl per mg of cadmium selenide. Orig. art. has: 2 figures and 1 table.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 001

Card 2/2

BYSTRITSKIY, D. N.

USSR/ Electricity - Power Stations, Wind-Driven May 51

"Parallel Operation of a Wind-Driven Electric Power Station With The Power Network," V. N. Andrianov, Cand Tech Sci, Moscow Inst for Mechanization and Electrification of Agr imeni
Inst for Electrification of Agr (VIESKh)

"Elektrichestvo" No 5, pp 8-12, 1457

Describes expts conducted at exptl wind-elec power station (VES) of the Zaporozh' ye Af-
filiate of VIESKh in synchronizqtion and parallel operation of a wind-elec power station
with the network. Submitted 13 Nov 50

BYSTRITSKIY, D. N.

BYSTRITSKIY, D. N. -- "PROBLEMS OF SYNCHRONIZING GENERATORS IN FAIR WIND-ELECTRIC POWER STATIONS, OPERATING IN A POWER SYSTEM." SUB 10 JUN 52, JOINT SCI COUNCIL OF ALL-UNION SCI RES INST OF MECHANIZATION OF AGRICULTURE AND ALL-UNION SCI RES INST OF ELECTRIFICATION OF AGRICULTURE (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

SO; VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

BYSTRITSKIY, D.N.

ANDRIANOV, V.M., doktor tekhnicheskikh nauk; BYSTRITSKIY, D.N., kandidat tekhnicheskikh nauk.

Effectiveness of operating wind power plants in conjunction with hydroelectric power stations. Trudy MIMESKH 3:78-89 '56.
(Power plants) (MLRA 10:8)

Bystritskiy, D.N.

ANDRIANOV, V.N.; BYSTRITSKIY, D.N.

Multiunit wind-power electric station with a 100 kilowatt capacity.
Bul. nruh.-tekh. inform. po elek. sel'khoz. no.1:42-44 '56.
(Electric power plants) (MLRA 10:9)

BYSTRITSKIY, D.N.

112-2-3079

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p. 78, (USSR)

AUTHOR: Andrianov, V. N., Bystritskiy, D. N.

TITLE: Jointly Operating Electric Heat and Wind-Motor Power Plants
of Practically the Same Capacity (Sovmestnaya rabota
teplovykh i vetrovykh elektricheskikh stantsiy prakticheski
ravnay moshchnosti)

PERIODICAL: Tr. Vses. n.-i. in-ta mekhaniz. s.kh., 1956, Nr 22,
pp. 146-167

ABSTRACT: A study has been made on the Δ -18 and 1Δ -18 type wind-
motors and a heat power station with a stationary internal
combustion engine. To protect the wind motor from
mechanical overloading, it is necessary to install electro-
magnetic slip-rings or a wind-actuated moment regulator.
It is pointed out that in view of the different principles
of control, as well as to the different capacity ratios
of the internal-combustion engine electric power plant and
the wind-motor electric plant, it is necessary to take
these precautions to protect the wind motor from mechanical

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112-2-3079

Jointly Operating Electric Heat and Wind-Motor Power Plants of
Practically the Same Capacity (Cont.)

overload. The functional and electrical schematic diagrams and the operating characteristics of Diesel-engine and wind-motor electric power plants operating in parallel are given. Charts are given of the change in rotation speed of wind and internal-combustion engines for different operating conditions. The conclusion is drawn that in regions where the average yearly wind velocity is 4.5 to 5.5 m/sec, an economy in fuel of 30 to 52 per cent is realized when a wind-motor electric plant is operating in parallel with a Diesel power station. The study of such wind-and-Diesel driven power stations with generators of equal capacity operating in parallel has shown that such a system is entirely satisfactory and economical in operation.

B.A.P.

Card 2/2

SMIRNOV, B.V.; BYSTRITSKIY, D.N.; ZUL', N.M.; IOSIPYAN, S.G.; SERGO-
VANTSEV, V.T.

[Basic rules pertaining to the volume of remote control to be
installed in rural electric power stations and substations]

Osnovnye polozhenia po ob"emu telemekhanizatsii sel'skikh
elektricheskikh stantsii i podstantsii. Moskva, Otdel tekhn.
informatsii, 1958. 16 p.

(MIRA 13:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (VIESKh) (for Smirnov, Bystritskiy, Zul'). 3. Ministerstvo sel'skogo khozyaystva SSSR (for Iosipyan). 4. Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva im. V.M.Molotova (MIMESKh) (for Sergoventsev).

(Electric power distribution)

BYSTRITSKIY, D.N.
 ANDRIANOV, V.N., doktor tekhn.nauk; BERSENEV, Ye.Ye., inzh.; ~~BYSTRITSKIY~~,
 D.N., kand.tekhn.nauk; GHEBENNIKOV, A.F., kand.tekhn.nauk; GRETISOV,
 N.A., kand.tekhn.nauk; ZOYEV, V.A., kand.tekhn.nauk; KLIMOV, A.A.,
 kand.tekhn.nauk; KOROLEV, V.F., kand.tekhn.nauk; KUDRYAVTSEV, I.F.,
 kand.tekhn.nauk; KULIK, M.Ye., kand.tekhn.nauk; NAZAROV, G.I., kand.
 tekhn.nauk; OLYNIK, N.P., inzh.; OSTROV, P.A., kand.tekhn.nauk;
 PODSOSOV, A.N., inzh.; POPOV, S.T., inzh.; PRISHCHEP, L.G., kand.
 tekhn.nauk; PCHILKIN, Yu.N., inzh.; RUBTSOV, P.A., kand.tekhn.nauk;
 RUNOV, B.A., kand.tekhn.nauk; SAVINKOV, K.P., kand.tekhn.nauk;
 SAZONOV, N.A., prof., doktor tekhn.nauk; SERGEYEV, A.S., inzh.;
 SKVORTSOV, P.F., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk;
 SMIRNOV, V.I., kand.tekhn.nauk; TYMINSKIY, Ye.V., inzh.; URVACHEV,
 P.N., kand.tekhn.nauk; SHTRURMAN, B.A., inzh.; SHCHUROV, S.V.,
 kand.ekon.nauk; RUNOVA, L.M., inzh.; VOL'FOVSKAYA, D.N., red.;
 NIKITINA, V.M., red.; BALLOD, A.I., tekhn.red.

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 (Electricity in agriculture)

FATEYEV, Ye.M., prof., otv.red.; BYSTRITSKIY, D.N., red.; VASHKEVICH,
K.P., red.; KARMISHIN, A.V., red.; SEKTOROV, V.R., red.;
FEDOTOV, V.Ye., red.; FRANKFURT, M.O., red.; SHOLOMOVICH,
G.I., red.; GOLOVKO, V.N., red.isd-vo; GUSEVA, I.N., tekhn.red.

[Problems in wind power] Voprosy vetroenergetiki. Moskva,
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1. Akademiya nauk SSSR. Energeticheskiy institut. 2. Chlen-
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nauk im. V.I.Lenina (for Fateyev).
(Wind power)

SERGOVANTSEV, V.T., kand.tekhn.nauk; YURASOV, V.V., kand.tekhn.nauk;
 ALUKER, Sh.M., kand.tekhn.nauk; ANDRIANOV, V.N., doktor tekhn.
 nauk; ASTAF'YEV, N.N., kand.tekhn.nauk; BUDZKO, I.A., akademik;
 BYSTRITSKIY, D.N., kand.tekhn.nauk; VEYALIS, B.S., kand.tekhn.
 nauk; GIRSHBERG, V.V., inzh.; GORSHKOV, Ye.M., inzh.; GRI-
 CHEVSKIY, E.Ya., inzh.; ZAKHARIN, A.G., doktor tekhn.nauk;
 ZLATOVSKIY, A.P., kand.tekhn.nauk; IOSIPYAN, S.G., inzh.;
 ITSKOVICH, A.M., dotsent; KAUFMAN, B.M., inzh.; KVITKO, M.N.,
 inzh.; KORSHUNOV, A.P., inzh.; LEVIN, M.S., kand.tekhn.nauk;
 LOBANOV, V.N., dotsent; LITVINENKO, A.F., inzh.; MERKELOV,
 G.F., inzh.; PIRKHAVKA, P.Ya., kand.tekhn.nauk; PRONNIKOVA,
 M.I., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; FAYU-
 SHENKO, S.G., inzh.; KHODNEV, V.V., inzh.; SHCHATS, Ye.L.,
 kand.tekhn.nauk; EBIN, L.Ye., doktor tekhn.nauk; ENTIN, I.A.,
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 BALLOD, A.I., tekhn.red.; SMIRNOVA, Ye.A., tekhn.red.

[Handbook pertaining to the production and distribution of
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 raspredeleniiu elektricheskoi energii v sel'skom khozsisistve.
 Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 900 p. (MIRA 13:2)

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 (Rural electrification)

BYSTRITSKIY, D.N. ; KHALFEN, A.A. ; CHINILOVA, Z.K.

Distribution of electric loads in populated areas of collective farms. Sbor. nauch.-tekhn. inform. po elek. sel'khoz. no.7:44-47
'59. (MIRA 13:9)

(Electric power distribution)

SMIRNOV, B., kand.tekhn.nauk; BYSTRITSKIY, D. ^{N.}Kand.tekhn.nauk, LUKOVNIKOV,
A.; kand.tekhn nauk [^]

Mobile power stations speed up mechanization. Nauka i pered.op.
v sel'khoz. Nauka i pered.op.v sel'khoz. 9 no.12:44-47 D '59.
(MIRA 13:4)

(Electric power plants)

ANDRIANOV, V.N., doktor tekhn.nauk; BYSTRITSKIY, D.N., kand.tekhn.
nauk; PAN'KIN, V.V., inzh.

Automation of mobile diesel electric power stations. Mekh.i
elek.sots.sel'khoz. 17 no.5:33 '59. (MIRA 12:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifi-
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(Electric power plants)

ANDRIANOV, V.N.; BYSTRITSKIY, D.N.; KRAUSP, V.R.; PAN'KIN, V.V.;
PECHKOVSKIY, G.A.; ZAK, I.G.; LEVIN, M.I.

Automation of small mobile electric power plants used as
temporary and reserve power supply sources in agriculture.
Sbor. nauch.-tekhn. inform. po elek. sel'khoz. no.6:34-39 '59.
(MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii
sel'skogo khozyaystva (for Pechkovskiy). 2. Saratovskiy
mekhanicheskiy zavod (for Zak). 3. Tsentral'nyy dezinfekt-
sionnyy nauchno-issledovatel'skiy institut (for Levin).
(Electric power plants) (Electricity in agriculture)

ANDRIANOV, V.N., doktor tekhn.nauk; BYSTRITSKIY, D.N., kand.tekhn.nauk;
VASHKEVICH, K.P., inzh.

Dynamic processes in the operation of wind electric power plants
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(MIRA 13:11)

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(Wind power)

EBIN, L.Ye., doktor tekhn. nauk, prof.; BYSTRITSKIY, D.N., kand. tekhn. nauk; LUKOVNIKOV, A.V.; PAN'KIN, V.V., inzh.; DUDINA, V.Ye.

[Auxiliary power plants and electrical systems for increasing the reliability of rural electric power distribution] Rezervnye elektrostantsii i elektroagregaty dlia povysheniia nadezhnosti sel'skogo elektrosnabzheniia. Moskva, Otdel tekhnicheskoi informatsii VIESKh, 1960. 70 p. (MIRA 15:4)

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(Rural electrification)

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DRUZHININA, N.A.; MISHARINA, Ye.A.; NIKONOV, L.V.; NIKITINA, V.M.,
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[Practical studies of electric machinery in laboratories] Labora-
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Gos.isd-vo sel'khoz.lit-ry, 1960. 250 p. (MIRA 13:6)
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BYSTRITSKIY, Dorian Naumovich; GORSHKOV, Ye.M.; ZUYEV, V.A.; SMELYANSKIY,
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[Mobile electric power plants in agriculture] Peredvizhnye
elektricheskie stantsii v sel'skom khoziaistve. Moskva, Gos.
izd-vo sel'khoz.lit-ry, 1960. 251 p. (MIRA 13:5)
(Electric power plants)

BYSTRITSKIY, D. N.

PHASE I BOOK EXPLOITATION

SOV/5321

Andrianov, Viktor Nikolayevich, Dorian Naumovich Bystritskiy, Konstantin Petrovich Vashkevich, and Vladimir Rafailovich Sektorov

Vetroelektricheskiye stantsii (Wind-Motor Electric Power Stations) Moscow, Gosenergoizdat, 1960. 319 p. 2,000 copies printed.

Ed. (Title page): V.N. Andrianov, Professor; Ed.: V.A. Orlov; Tech. Ed.: K.P. Voronin.

PURPOSE: This book is intended for power engineers of various specialties for engineers engaged in designing and operation of wind-driven electric power stations, and for students and agricultural workers in the field of rural electrification.

COVERAGE: The authors describe wind-motor direct-current and alternating-current electric power stations of various capacities. The following are discussed: design and utilization of stations; problems of control-system statics and dynamics in isolated stations and in those connected in parallel with a system

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Wind-Motor Electric Power Stations

SOV, 5321

of other stations of various capacity; and methods of computing technical and economical aspects of power engineering. Data on wind-motor electric power stations in the USSR and abroad are given. V.N. Andrianov wrote Ch. IV, except sec. IV-7, and secs. I-5, V-1, and V-2; D.N. Bysritskiy, secs. I-1, IV-7, V-3, and V-5; K.P. Vashkevich, secs. I-2, I-3, and Ch. II, except sec. II-1; and V.P. Sektorov, secs. I-4, I-6, II-1, and Chs. III and VI. V.N. Andrianov supervised the work and edited the material. The authors thank G.Kh. Sabinin, Professor, who is said to be one of the first Soviet experts in this field, for his very valuable assistance. There are 33 references: 21 Soviet, 9 English, 1 French, 1 German, and 1 Italian.

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BYSTRITSKIY, D.N., kand.tekhn.nauk; PAN'KIN, V.V., inzh.

Classification and methods for designing systems for stopping the
engines of diesel electric power plants. Nauch. trudy VIESKH
11:141-177 '62. (MIRA 16:3)
(Electricity in agriculture) (Diesel electric power plants)

BYSTRITSKIY, D.N., kand.tekhn.nauk; DUDINA, V.Ye., kand.tekhn.nauk

Use of auxiliary electric power plants in agriculture. Mekh. i
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1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii
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(Electricity in agriculture)

ANDRIANOV, V.N., doktor tekhn.nauk; BYSTRITSKIY, D.N., kand.tekhn.nauk

Pulse start of asynchronous short-circuited motors. Mekh. i
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1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni
Timiryazeva (for Andrianov). 2. Vsesoyuznyy nauchno-
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(for Bystritskiy).

(Electric motors, Induction)

ANDRIANOV, V.N., doktor tekhn. nauk; BYSTRITSKIY, D.N., kand. tekhn. nauk;
PAN'KIN, V.V., inzh.

Automatic control networks at mobile diesel electric power
plants with contactless elements. Mekh. i elek. sots. sel'khoz.
21 no.3:38-43 '63. (MIRA 16:8)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni Timiryazeva
(for Andrianov). 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut elektrifikatsii sel'skogo khozyaystva (for Bystritskiy,
Pan'kin).

(Diesel electric power plants)

(Electricity in agriculture)

ANDRIANOV, V.N., doktor tekhn.nauk, prof. (Moskva); BYSTRITSKIY, D.N., kand.
tekhn.nauk (Moskva)

Start of squirrel-cage induction motors from an autonomous power
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BYSTRITSKIY, G.F., inzh.

Experimental characteristics of a block of PV-350/230
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1. Moskovskiy energeticheskiy institut.

IPPOLITOV, A.S., kand.tekhn.nauk; BELOSEL'SKIY, B.S., kand.tekhn.nauk;
BYSTRITSKIY, G.F., inzh.

Study of the burning of solid fuels in intersecting streams.
Teploenergetika 12 no.10:38-41 0 '65.

(MIRA 18:10)

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DOKUNIKHIN, N.S.; BYSTRITSKIY, G.I.

Derivatives of benz-(c,d)-indoline. Part 6: Synthesis and reactions
of 1-aminobenz-(c,d)-indolin-2-one. Zhur.ob.khim. 32 no.4:1332-
1334 Ap '62. (MIRA 15:4)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley.

(Benzindolinone)

DOKUNIKHIN, N.S.; BYSTRITSKIY, G.I.

Derivatives of benz(cd)indoline. Part 8: Transformations of
1-arylamino benz(cd)indolin-2-ones: opening of a heterocycle
and rearrangement of pericarboxylic acids of hydrazo compounds.
Zhur.ob.khim. 33 no.3:974-980 Mr '63. (MIRA 16:3)

1. Nauchno-issledovatel'skiy institut organicheskikh
poluproduktov i krasiteley (NIOPiK).
(Benzindolinone) (Hydrazo compounds)
(Rearrangements (Chemistry))

DOKUNIKHIN, N.S.; BYSTRITSKIY, G.I.

Derivatives of benz(c,d) indoline. Part 7: Synthesis and reactions of 1-arylamino benz(c,d)indolin-2-one. Zhur.ob. khim. 33 no.2:680-683 F '63. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.
(Benzindolinone)

DOKUNIKHIN, N.S.; BYSTRITSKIY, G.I.

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and 1-phenylamino-6-bromobenz[c,d] indolin-2-ones. Zhur. ob.
khim. 33 no.8:2712-2714. Ag. '63. (MIRA 16:11)

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SOV/58-59-5-10774

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 5, p 126 (USSR)

AUTHORS: Borgardt, A.A., Bystritskiy, G.P., Kirpichev, A.F.

TITLE: On the Theory of Ferromagnetism ^{7/10}

PERIODICAL: Nauchn. zap. Dnepropetrovsk. un-t. 1956, Vol 45, pp 113 - 121 ✓

ABSTRACT: The article has not been reviewed.

Card 1/1

BYSTRITSKIY, I.; ZUL'KARNEYEV, R.; SARANTSEVA, V.R., tekhn. red.

Contribution of 3P and 3F waves to meson production in
pp -collisions at 660 MeV. Dubna, Ob"edinennyi in-t iadernykh
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(No subject heading)

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1173 0 '63. (MIRA 16:11)

1. Ob'yedinennyy institut yadernykh issledovaniy.

BYSTRITSKIY, I. A.

BYSTRITSKIY, I. A.; KOTLOVA, A. I.

"K voprosu o Lechenii kikiyusha rogutym vasil'kom Delphinium consolida L.,"
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BYSTRITSKIY, I. A.

33519

Povtornyye Zaboлевaniya Kor'yu. Trudy Kurskogo Gos. Med. In-Ta, T.11, Vyp. 2, 1948,
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BYSTRITSKIY, I.A., dotsent

Clinical and morphological forms of tuberculosis in children
in the war years. Sbor; trud. Kursk. gos. med. inst. no.13:
175-177 '58. (MIRA 14:3)

1. Iz kliniki detskikh bolezney (zav. - dotsent I.A.Bystritskiy)
Kurskogo gosudarstvennogo meditsinskogo instituta.
(TUBERCULOSIS)

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Blood transfusion in tuberculosis meningitis in children. Sbor.
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1. Iz kliniki detskikh bolezney (sav. - dotsent I.A.Bystritskiy)
Kurskogo gosudarstvennogo meditsinskogo instituta.
(MENINGES—TUBERCULOSIS) (BLOOD—TRANSFUSION)

BYSTRITSKIY, I.A., dotsent; IVANOVA, A.M., vrach; KURBATOVA, Ye.A., vrach

Case of viability of a child born weighing less than one kilogram.
Sbor. trud. Kursk. gos. med. inst. no.13:445-446 '58.

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Kurskogo gosudarstvennogo meditsinskogo instituta.
(INFANTS (PREMATURE))

BYSTRITSKIY, I.A.;GRINTUKH, D.L.

Treatment of tuberculous meningitis in children without the
subarachnoid administration of drugs. Probl.tub. 38 no.4:105-
108 '60. (MIRA 14:5)

(MENINGES--TUBERCULOSIS)

BYSTRITSKIY, I.A., dotsent; GRINTUKH, D.L. zasluzhenny vrach RSFSR

Unusual case of combined congenital abnormality. Vop. okh. mat.i
det. 6 no.3:91-92 Mr '61. (MIRA 14:10)

1. Iz Kurskoy klinicheskoy detskoy bol'nitsy No.1 (glavnyy vrach
M.N.Kulezina).

(DEFORMITIES)

BYSTRITSKIY, I.A., dotsent; UVAROVA, N.I., vrach

Sarcoma of the uterus in an eight-year-old girl. Vop.okh.mat.
1 det. 7 no.12:74-75 D'62. (MIRA 16:7)

1. Iz Kurskoy zheleznodorozhnoy otdelencheskoy detskoy bol'nitsy
(glavnyy vrach Ye.A.Sever'yanova).
(UTERUS—CANCER) (CHILDREN—DISEASES)

BOVE, Ye.G., kand.tekhn.nauk; BYSTRITSKIY, Kh.Ya., inzh.

Improve the design of the N8 electric locomotive. Elek. 1
tepl. tiaga 2 no.5:4-9 '58. (MIRA 12:4)
(Electric locomotives--Design)

BORTNICHUK, N.Ya., inzh.; BRONSHTEYN, A.M., kand.tekhn.nauk; BYSTRITSKIY, Kh.Ya., inzh.; DUBROVSKIY, Z.M., inzh.; KATKOV, B.S., inzh.; KRASKOVSKAYA, S.N., inzh.; OSIPOV, S.I., inzh.; PERTSOVSKIY, M.L., inzh.; RAKOV, V.A., inzh.; REBRIK, B.N., kand.tekhn.nauk; SUYETIN, T.A., kand.fiziko-matem.nauk; KHITROV, P.A., .tekhn.red.

[Electric locomotives operating on alternating current with
ignitrons] Elektrovozy peremennogo toka s ignitronami. Pod ob-
shchey red. V.A.Rakova. Moskva, Gos.transp.zhel-dor.izd-vo, 1959.
286 p. (MIRA 12:10)

(Electric locomotives)

BYSTRITSKIY, Kh.Ya.

Raise the quality of electric locomotives. Elek. i tepl. tiaga
4 no. 12:27 D '60. (MIRA 14:1)

1. Zamestitel' glavnogo inzhenera Glavnogo upravleniya lokomotiv-
nogo khozyaystva Ministerstva putey soobshcheniya.
(Novocherkassk--Electric locomotives)

MARCHENKO, Yuriy Valentinovich; NIKITIN, Geniy Nikolayevich;
BYSTRITSKIY, Kh.Ya., inzh., retsenzent; YAKOVLEV, D.V., inzh.,
red.; RAKOV, V.A., inzh., red.; USENKO, L.A., tekhn. red.

[Maintenance and operation of electric a.c. locomotives] Ob-
sluzhivanie i ekspluatatsiia elektrovozov peremennogo toka.
Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soob-
shcheniia, 1961. 234 p. (MIRA 15:2)
(Electric locomotives)

SORIN, Naum Abramovich; BYSTRITSKIY, Kh.Ya., inzh., retsenzent;
SHIRYEV, A.P., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Electric circuits of the N60 electric locomotive] Elektricheskie skhemy elektrovoza N60. Moskva, Transzheldorizdat, 1962. 41 p.
(MIRA 15:6)

(Electric locomotives)

BYSTRITSKIY, Kh.Ya.; KUROCHKA, A.L.

Immediate prospects of the Soviet manufacture of electric locomotives. Zhel.dor.transp. 44 no.5:27-32 My '62. (MIRA 15:5)

1. Zamestitel' glavnogo inzhenera Glavnogo upravleniya lokomotivnogo khozyaystva (for Bystritskiy). 2. Zamestitel' direktora Novocherkasskogo nauchno-issledovatel'skogo instituta elektrovostroyeniya (for Kurochka).
(Electric locomotives)

BYSTRITSKIY, K.Ya.

The railway need an electric locomotive with double feed
system. ~~Model~~ tepl.tiaga 7 no.2:1-3 F '63. (MIRA 16:2)

1. Zamestitel' glavnogo inzhenera Glavnogo upravleniya lokomoti-
vnoy khosyaystva Ministerstva putey soobshcheniya.
(Electric locomotives)

BYSTRITSKIY, Khariton Yakovlevich, inzh.; DUBROVSKIY, Zinoviy
Moiseyevich, inzh.; REBNIK, Boris Nikolayevich, kand.
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[Construction and operation of a.c. locomotives] Ustroistvo
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